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~~5/426~~ 636,452 COMPLETE SPECIFICATION

1 SHEET

[This Drawing is a reproduction of the Original on a reduced scale.]

FIG. 1.

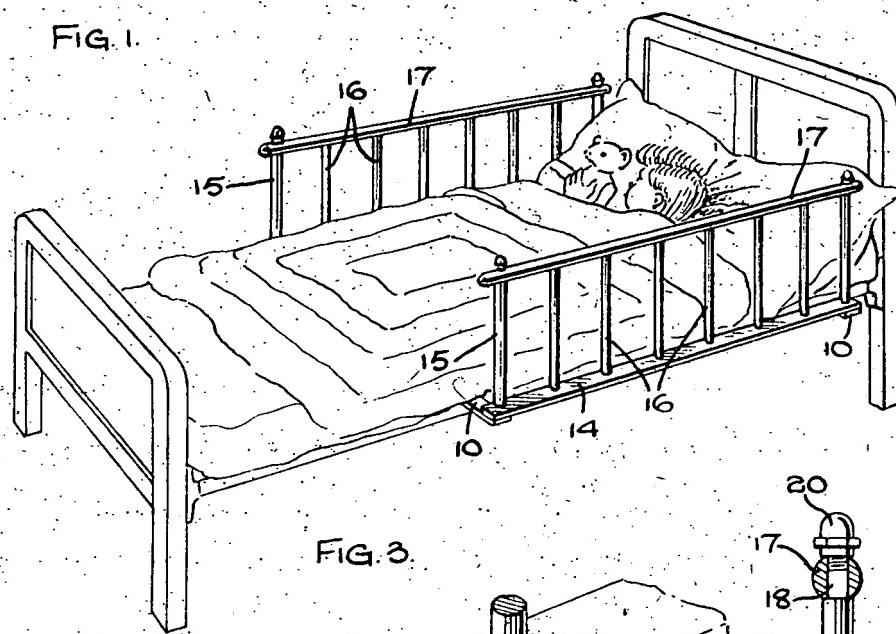


FIG. 3.

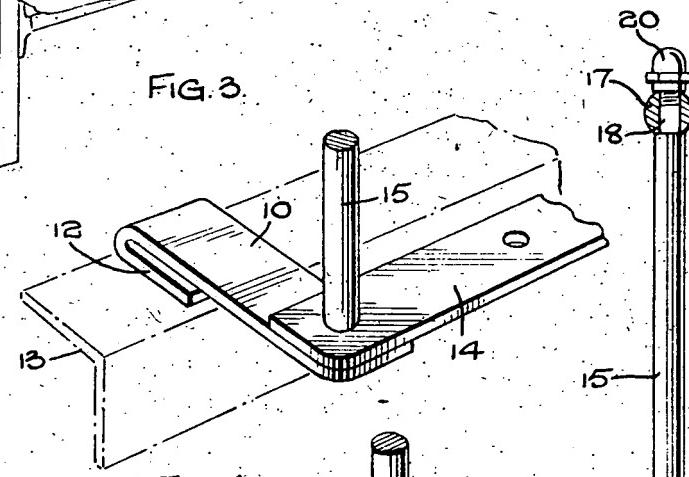


FIG. 4.

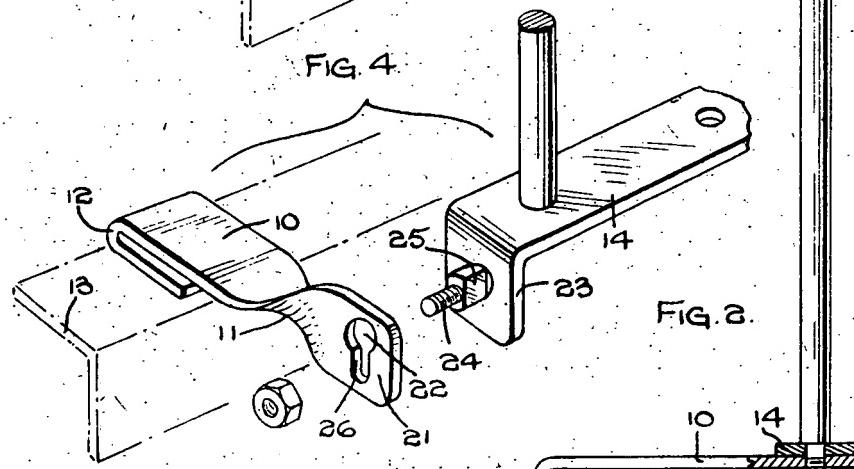
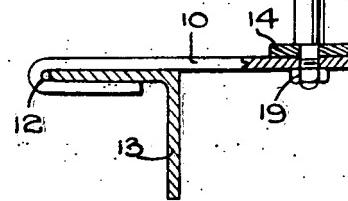


FIG. 2.



H.M.S.O. (T.P.)

# PATENT SPECIFICATION

Cl 5  
636,452



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COPY

Index at acceptance:—Class 52(ii), B2h.

## PROVISIONAL SPECIFICATION

### Improvements relating to Bedsteads

DIV. 44

I, ARTHUR WILFRED DULSON, a British subject, of "Southgate," Bridgnorth Road, Stourton, near Stourbridge, in the County of Worcester, do hereby declare the nature 5 of this invention to be as follows:

This invention relates to bedsteads and is primarily intended for application to beds to be used for children for the period when they outgrow a cot.

10 According to the present invention I provide a side guard for application to a bedstead, the guard comprising attachment means for engaging the side of the frame of the bedstead and one or more arms projecting outwardly therefrom, the said arm or arms carrying an upwardly projecting panel or structure forming a guard to prevent the occupant from falling out of bed.

The guard may extend for the whole or 20 any suitable part of the length of the bed and the guard may be provided either at one side only or at both sides.

The guard proper at one or both sides of the bed may be hinged to the arm so that it 25 can be turned downwardly so as to hang down from the arm or arms when it is not required for use and the hinge may be so constructed that when in the raised position the guard will resist a force applied to it 30 in an outward direction from the bed.

In one construction the appliance comprises two brackets each comprising an arm having at one end a hook-like portion for engaging over the angle section or channel 35 section side member of the bedstead. A bracket further comprises an arm which extends outwardly from the side of the bed and these arms may be connected by a horizontal strip extending parallel with the 40 side of the bed. A number of posts are secured at their lower ends to this strip and the posts are connected at their upper ends by a rail thus forming the guard carried by the two brackets. The strip and the posts 45 and the rail may be made of wood, solid metal, or tubular metal as may be desired or some of the posts may be made of metal

and some of wood. The upper ends of the posts may be provided with reduced portions which enter holes in the top rail and the lower ends of the posts may be provided with reduced portions which pass through holes in the strip at the bottom and have their lower ends riveted.

The end post may be provided with reduced threaded portions which extend through the top rail and are secured thereto by means of nuts.

In a construction in which it is desired to be able to fold or hinge the guard downwardly, the brackets may be made of strip metal and may be provided with hook-like portions at their inner ends for engaging over one flange of the side member of the bed frame and securing means may be provided for locking the brackets in position thereon. The material of each bracket may be twisted to an angle of 90° so that the strip material at its outer end is in a vertical plane. The outer ends of these brackets may be provided with holes of keyhole shape and the strip at the lower end of the guard may have its ends bent downwardly and may be attached to the outer ends of the brackets by pins or bolts having flats on 50 their sides, the arrangement being such that when the guard is raised the flats engage the sides of the narrow portions of the keyhole slots so that the guard cannot make pivotal movements. If however, the guard is raised to bring the pins into the upper and larger ends of the slots then it can be turned downwardly with a pivotal movement until it hangs down from the outer ends of the brackets.

Dated the 23rd day of September, 1948.

FORRESTER, KETLEY & CO.  
Chartered Patent Agents,  
Central House, 75, New Street,  
Birmingham 2, and  
Jessel Chambers, 88/90, Chancery Lane,  
London, W.C.2.

## COMPLETE SPECIFICATION.

## Improvements relating to Bedsteads

I, ARTHUR WILFRED DULSON, a British subject, of "Southgate," Bridgnorth Road, Stourton, near Stourbridge, in the County of Worcester, do hereby declare the nature of this invention, and in what manner the same is to be performed to be particularly described and ascertained in and by the following statement:—

This invention relates to bedsteads and is primarily intended for application to beds to be used for children for the period when they outgrow a cot.

According to the present invention, I provide a side guard for application to a bedstead, the guard comprising attachment means for engaging the side of the frame of the bedstead and one or more arms projecting outwardly therefrom, the said arm or arms carrying an upwardly projecting panel or structure forming a guard to prevent the occupant from falling out of bed.

The guard may extend for the whole or any suitable part of the length of the bed and the guard may be provided either at one side only or at both sides.

The guard proper at one or both sides of the bed may be hinged to the arm so that it can be turned downwardly so as to hang down from the arm or arms when it is not required for use and the hinge may be so constructed that when in the raised position the guard will resist a force applied to it in an outward direction from the bed.

The invention is illustrated in the accompanying drawings wherein:

FIGURE 1 is a perspective view showing one construction.

FIGURE 2 is a sectional end view.

FIGURE 3 is a perspective view showing the attachment means.

Figures 2 and 3 are shown to a larger scale than Figure 1.

FIGURE 4 is a perspective view showing another construction.

In the construction shown in Figures 1 to 3 the appliance comprises two brackets 10 each comprising an arm having at one end a hook-like portion 12 for engaging over the angle section or channel section side member 13 of the bedstead. The arms 10 extend outwardly from the side of the bed and are connected by a horizontal strip 14 extending parallel with the side of the bed. A number of posts 15, 16 are secured at their lower ends to this strip and the posts are connected at their upper ends by a rail 17, thus forming the guard carried by the two brackets. The strip and the posts and the rail may be made of wood, solid metal, or tubular metal as may be desired or some of the posts may be made of metal and

posts 15 are provided with reduced portions 18 which pass through holes in the top rail and are provided with nuts 20 and the lower ends of the posts 15 are provided with reduced portions which pass through holes in the strip 14 and have their lower ends riveted or provided with nuts 19.

The intermediate posts 16 may have their ends forced into blind holes or recesses in the strip 14 and rail 17.

In the construction shown in Figure 4 in which the guard can be hinged downwardly, the brackets 10 are made of strip metal and are provided with the hook-like portions 12 at their inner ends for engaging over one flange of the side member of the bed frame and securing means may be provided for locking the brackets in position thereon. The material of each bracket is twisted at 11 through an angle of 90° so that the strip material at its outer end 21 is in a vertical plane. The outer ends of these brackets are provided with holes 22 of keyhole shape and the strip 14 at the lower end of the guard has its ends 23 bent downwardly and is attached to the outer ends of the brackets by bolts 24 having flats 25 on their sides, the arrangement being such that when the guard is raised the flats 31 engage the sides of the narrow portions 26 of the keyhole openings 22 so that the guard cannot make pivotal movements. If, however, the guard is lifted to bring the bolts 24 into the upper and larger ends of the openings 22 when it can be turned downwardly with a pivotal movement until it hangs down from the outer ends of the brackets.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:

1. A side guard for application to a bedstead comprising attachment means for engaging the side of the frame of the bedstead and one or more arms projecting outwardly therefrom, said arm or arms carrying an upwardly projecting panel or structure forming the guard to prevent the occupant from falling out of bed.

2. A side guard for a bedstead according to Claim 1 wherein the attachment means comprises a pair of brackets each having one end of hook-like form for engaging over the upper flange of the side member of the bedstead.

3. A side guard for a bedstead according to Claim 1 or 2 wherein the guard comprises upper and lower strips or rails connected by a number of spaced posts.

4. A side guard for a bedstead according

- a pair of brackets for attachment to the side member of the bedstead frame and a guard hinged to the brackets so that it can be turned downwardly when it is not required  
5 for use, the hinge being so constructed that when the guard is in the raised position the guard will resist a force applied to it in an outward direction from the bed.
5. A bedstead guard according to Claim  
10 4 wherein the guard is connected to the brackets by joints comprising bolts in the one member and keyhole shaped openings in the other member, the bolts having portions with flat sides for engaging the narrow parts of the openings when the guard is in

the raised position.

6. A bedstead guard substantially as described and shown in Figures 1 to 3 of the accompanying drawings.

7. A bedstead substantially as described 20 and shown in Figure 4 of the accompanying drawings.

Dated this 26th day of September, 1949.

FORRESTER, KETLEY & CO.

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